



PROVIDE 5 HOLES FORMED WITH 1"Ø PLASTIC CONDUIT. COST TO BE INCLUDED IN PRICE BID FOR CONCRETE BARRIER RAILING.



SECTION B-B

SECTION C-C



NOTE:
CONSTRUCTION JOINT BETWEEN
TOP OF WING AND BARRIER
ROUGHENED CONCRETE.

NOTE:
THE 10" RADIUS AND 1 1/2" RADIUS
ARE TYPICAL AND SHALL BE
USED WHEN CONSTRUCTING THE
CORNERS FOR VIEW A-A,
SECTION B-B, SECTION C-C AND
SECTION D-D.

NOTE:
THE 5c1, 6 - 5c2, 5c5-13, 2 - 5d2
AND 2 - 5d3 BARS ARE TO
BE PLACED WITH THE ABUTMENT
WING FOOTING. THE DETAILS FOR
PLACEMENT ARE SHOWN ON THE
LONGITUDINAL SECTION SHEET.

NOTE:
DASHED LINES BELOW THE TOP OF
WING ARE THE ABUTMENT WING
REINFORCING STEEL. SEE ABUTMENT
DETAILS SHEETS FOR PLACEMENT.


CONCRETE PLACEMENT SUMMARY	
SECTION	TOTAL
BARRIER RAIL ONE END SECTION	0.62 CU. YD.

BAR	"X"
5c5	1'-0 3/8"
5c6	1'-1 1/8"
5c7	1'-2 1/8"
5c8	1'-3 1/8"
5c9	1'-4 1/8"
5c10	1'-6 1/8"
5c11	1'-7 1/8"
5c12	1'-8 1/8"
5c13	1'-10 1/8"

NOTE: ALL DIMENSIONS ARE OUT TO OUT.
D = PIN DIAMETER.

BAR	"X"
5c5	1'-0 $\frac{1}{8}$
5c6	1'-1 $\frac{7}{16}$
5c7	1'-2 $\frac{11}{16}$
5c8	1'-3 $\frac{5}{8}$
5c9	1'-4 $\frac{1}{8}$
5c10	1'-6 $\frac{3}{8}$
5c11	1'-7 $\frac{5}{8}$
5c12	1'-8 $\frac{7}{8}$
5c13	1'-10 $\frac{1}{8}$

NOTE: ALL DIMENSIONS ARE OUT TO OUT.
D = PIN DIAMETER.

LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER <i>Norman E. Mc Donnell</i>	 Iowa Department of Transportation Highway Division	
	STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES FEBRUARY, 2004	
	BARRIER RAIL DETAILS SHEET 2 OF 3	RS40-BR2-04